

High flow filter/regulator (stainless steel) 1/4 NPT, 3/8 NPT, G1/4 or G3/8

High flow filter/regulator designed for use in corrosive environment Metallic parts meet NACE* Standard MR-01-75 Applications include marine environment, oil and gas productions

* National Association of Corrosion Engineers – recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments



Technical features

Medium:

Compressed air only

Maximum inlet pressure:

31 bar (manual drain) 17 bar (autodrain)

Outlet pressure range:

0,5 ... 10 bar **Flow:**

40 dm³/s

Element:

5, 25 or40 μm

Port sizes:

1/4 NPT, 3/8 NPT, G1/4 or G3/8 1/4 PTF (gauge) and 1/4 NPT (automatic drain)

Drain:

Manual or automatic Automatic drain operation conditions (float operated): To close: > 0,3 bar,

To open: < 0,2 bar

Minimum air flow required to close 1 dm³/s

Ambient/Media temperature:

-20 ... +80°C (FPM seals) -40 ... +80°C (NBR seals) Air supply must be dry enough to avoid ice formation at temperatures below +2°C.

Materials:

Body, bowl, bonnet, filter element and adjusting screw: 316 stainless steel Elastomers: FPM or NBR

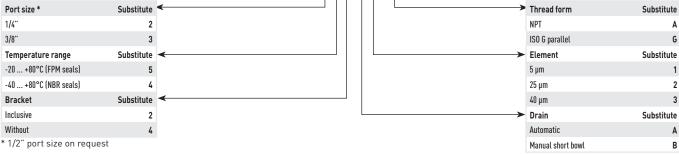
Technical data, standard model, relieving and panel nut

Symbol	Port size	Outlet pressure *1) (bar)	Element (µm)	Flow *2) (dm³/s)	Drain	Weight (kg)	Model
	1/4 NPT	0,5 10	5	40	Manual	1,61	B38P-254-B1MA
	3/8 NPT	0,5 10	5	40	Manual	1,60	B38P-354-B1MA
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	1/4 NPT	0,5 10	5	40	Automatic	1,74	B38P-254-A1MA
	3/8 NPT	0,5 10	5	40	Automatic	1,73	B38P-354-A1MA

^{*1)} Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Option selector



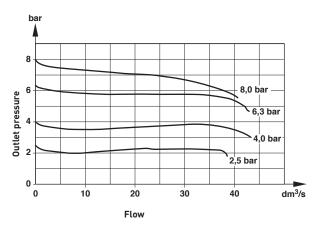


^{*2)} Typical flow with 10 bar inlet pressure, 6,3 bar set pressure and a 1 bar drop from set.

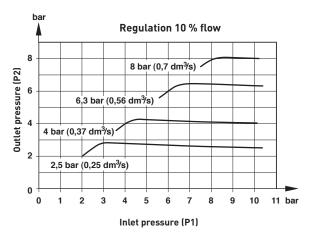


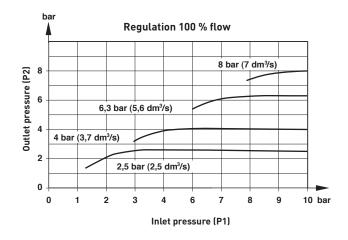
Flow characteristics

Inlet pressure: 10 bar, filter element: 5 µm, port size: 1/4 NPT

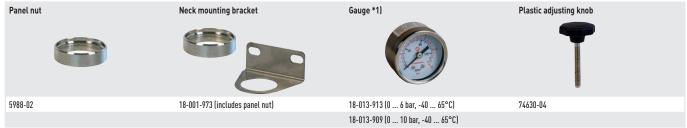


Regulating characteristics





Accessories



^{*1)} Stainless steel items not strictly to NACE standard MR-01-75.

Spare parts



- *2) manual drain, FPM *3) manual drain, NBR
- *4) auto drain, FPM *5) auto drain, NBR

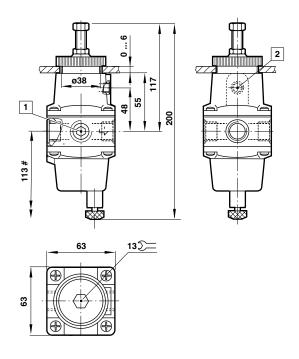
Filter element



2011-8168d

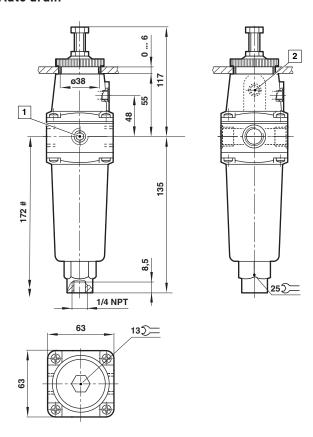
Dimensions

Manual drain

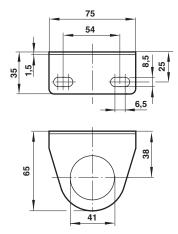


- # Minimum clearance required to remove bowl
- 1/4 PTF Gauge port
- 2 1/8 PTF Exhaust port

Auto drain



Neck mounting bracket



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **>Technical features**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in pneumatic systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.